

# AMENDMENTS TO THE SPECIFICATION

Please make the following amendments to the specification.

Delete paragraph 0322 and replace it with the following paragraphs:

The Nucleotide sequences of target binding sites, such as BINDING SITE I, BINDING SITE II and BINDING SITE III found on GAM TARGET RNAs of each of a plurality of GAM oligonucleotides described by Fig. 1, and a schematic representation of the complementarity of each of these target binding sites to each of a plurality of GAM RNAs described by Fig. 8 are set forth in Tables 6-7, hereby incorporated herein. Table 6 shows data relating to the SEQ ID NO of the GAM target binding site sequence of the target gene name as bound by the GAM RNA as set forth in SEQ ID NO: 159. Table 6, lines 1355054, 2843616, 6221084, 8186458, 9869798, 1222446, 1386260, 2801044, 6534578, 1178498, 2967386, 6595452 related to target binding site SEQ ID NO: 783894, 1517754, 3173983, 4136777, 4962915, 6130451, 799345, 1496799, 3328443, 696840, 1578845, and 3358376 respectively.

TARGET BINDING SITE SEQ-ID	TARGET ORGANISM	TARGET	TARGET BINDING SITE SEQUENCE
783894	Homo sapiens	EGFR	CTAAGGATAGACCGCTTTT
1517754	Homo sapiens	EGFR	CTAAGGATAGACCGCTTTT
3173983	Homo sapiens	EGFR	CTAAGGATAGACCGCTTTT
4136777	Homo sapiens	EGFR	CTAAGGATAGACCGCTTTT
4962915	Homo sapiens	EGFR	CTAAGGATAGACCGCTTTT
6130451	Homo sapiens	EGFR	CTAAGGATAGACCGCTTTT
799345	Homo sapiens	EGFR	TTAACAGCAGTCCTTTGT
1496799	Homo sapiens	EGFR	TTAACAGCAGTCCTTTGT
3328443	Homo sapiens	EGFR	TTAACAGCAGTCCTTTGT
696840	Homo sapiens	EGFR	CAAACCCCTCCTTACGCTTTGT
1578845	Homo sapiens	EGFR	CAAACCCCTCCTTACGCTTTGT
3358376	Homo sapiens	EGFR	CAAACCCCTCCTTACGCTTTGT

Table 7, lines 146,394-146,401 and 146,419-146,422 shows data relating to target genes and binding site of GAM oligonucleotides.

GAM NAME	GAM ORG	GAM RNA ANISM	GAM RNA SEQUENCE	BS-SEQ	TARGET	TARGET REF-ID	TARGET ORGANISM	UTR BINDING-SITE (UPPER:GAM; LOWER:TARGET)	DRAW
GAM 345 990	Human	ACAAAGCG	CTTCTCTT	CTCCTTAC	EGFR NM_005228	Human 3	CCCCCTCCTTA	CGCTTTGT GCGAAACA	A
			TAGAGT	GCTTTGT			G AAA G TTT		
			(SEQ ID NO: 159)	(SEQ ID NO: 1578845)			TGA A CTCTTC-----		
GAM 345 990	Human	ACAAAGCG	CTTCTCTT	CTCCTTAC	EGFR NM_005228	Human 3	CTAAGGA AG GATTTC	CGCTTT T GCGAAA A	A
			TAGAGT	TTTT					
			(SEQ ID NO: 159)	(SEQ ID NO: 6130451)					
GAM 345 990	Human	ACAAAGCG	CTTCTCTT	AGTCCTTT	EGFR NM_005228	Human 3	C C A C T T T T A A A G G C C T T T G A A T T T C T G G A A A C A		A
			TAGAGT	GT			TG G - TC TC C		
			(SEQ ID NO: 159)	(SEQ ID NO: 3328443)					

Delete paragraph 0323 and replace it with the following paragraphs:

It is appreciated that specific functions and accordingly utilities of each of a plurality of GAM oligonucleotides described by Fig.8 are correlated with, and may be deduced from the identity of the GAM TARGET GENES inhibited thereby, and whose functions are set forth in Table 8, hereby incorporated herein. Table 8, lines 435532-435559 shows data relating to the function and utilities of GAM RNA as set forth in SEQ ID NO: 159.

GAM NAME	GAM RNA SEQUENCE	GAM ORGANISM	TARGET	TARGET	GAM FUNCTION	GAM POS
GAM 3459 90	ACAAAGCG	Human	EGFR	Human	Epidermal growth factor receptor (EGFR, Accession number : A NM_005228) is another GAM345990 target gene that is encoded by the human genome. EGFR BINDING SITE 1 through EGFR BINDING SITE 3 are human target binding sites that are found in the untranslated regions of mRNA encoded by the EGFR gene, corresponding to target binding sites such as BINDING SITE I, BINDING SITE II or BINDING SITE III of Fig. 8. Additionally, using the Binding site prediction system of the present invention GAM345990-A binds to sequences on orthologous UTR of (NM_031507). The nucleotide sequences of EGFR BINDING SITE 1 through EGFR BINDING SITE 3, and the complementarity secondary structure to the nucleotide sequence of GAM345990 RNA are set forth in Tables 6-7, hereby incorporated herein. Another function of GAM345990 is to inhibit EGFR, a GAM345990 human target gene which is involved in the control of cell growth and differentiation. EGFR is associated with Non-small cell lung	
	CTTCTCTT					
	TAGAGT					
	(SEQ ID NO: 159)					

cancer, Small cell carcinoma, Lung cancer, Breast cancer and Colorectal cancer diseases, and therefore GAM345990 is associated with the abovementioned diseases. Accordingly, the utilities of GAM345990 include the diagnosis, prevention and treatment of Nonsmall cell lung cancer, Small cell carcinoma, Lung cancer, Breast cancer and Colorectal cancer and of other diseases and clinical conditions associated with EGFR. The function of EGFR and its association with various diseases and clinical conditions has been established by previous studies, as described hereinabove with reference to GAM338539.